19980326.ba v01_n986.bam.980326

>From ???@??? Fri Mar 27 03:25:28 1998
Message-Id: <199803261833.MAA22856@sco.theporch.com>
Date: Thu, 26 Mar 1998 12:33:16 CST
Subject: BOATANCHORS digest 1986

BOATANCHORS Digest 1986

Topics covered in this issue include:

 1) 1935 PHILCO BC/SW
 by "Herendeen, Robert" <Robert.Herendeen@smi.siemens.com>
 2) Re: Broken 0A2 BA1983
 by Lenox Carruth <carruth@swbell.net>
 3) Re: BOATANCHORS digest 1984
 by jackiv@juno.com (John M Iverson)
 4) Re: 1935 PHILCO BC/SW
 by Lenox Carruth <carruth@swbell.net>
 5) W4SSB Dayton Space
 by "Manuel W4SSB" <mmaseda@gte.net>
 6) 2NT's are tuff....
 by w5sum@ms1.nwla.com
 7) Re: BOATANCHORS digest 1984
 by William Donzelli <william@ans.net>
 8) R-388 bfo problem solved
 by Phil Mills <pmills@a.crl.com>
 9) GR Model LX Wooden cabinet Refinishing and other Questions
 by "N. West" <ninaw@u.washington.edu>
 10) Re: ID This Crystal
 by Morris Odell <morriso@vifp.monash.edu.au>
 11) BAs for Sale or Trade for Bugs
 by K8MFO <K8MFO@aol.com>
 12) Re: GR Model LX Wooden cabinet Refinishing and other Questions
 by Bill Hawkins <bill@iaxs.net>
 13) Dayton spaces - N5AIT
 by MODSTEPH@ACS.EKU.EDU
 14) G-66 Manual Obtainted
 by "larry" <rau@wco.com>
 15) Re: BOATANCHORS digest 1984
 by William Donzelli <william@ans.net>
 16) The Tube Surprise!
 by arc5@ix.netcom.com
 17) WTB Black Widow 2 & 6 M Rigs
 by w4bld@juno.com (Robert B. Kerby)
 18) Re: GR Model LX Wooden cabinet Refinishing and other Questions
 by Al Klase <skywaves@bw.webex.net>
 19) Inquiry

 by "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
 20) Re: GR Model LX Wooden cabinet Refinishing and other Questions
 by Edward Zeranski <ejz@nosc.mil>
 21) T-4/FRC Mystery TX Solved
 by Don Reaves <dr@cei.net>
 22) Re: R-388 bfo problem solved
 by "Roberta J. Barmore" <rbarmore@indy.net>
 23) Re: R-388 bfo problem solved
 by "Arden Allen" <gumbear@pacbell.net>
 24) Need Heath GR-54 Schematic
 by David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>
 25) Re: PL-172 based amps
 by "Ken Warren" <KenwK7RPX@postoffice.worldnet.att.net>
 26) Japanese sets, continued....
 by BEN NOCK <G4BXD@compuserve.com>
 27) H/B FS.
 by BEN NOCK <G4BXD@compuserve.com>
 28) WRL Linear and CE10A
 by Lynn Fisk <kc5kfv@onr.com>
 29) 6146's anyone?
 by "Lawrence R. Ware" <lrware@pipeline.com>
 30) HALLI SX-115 ON AM
 by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)

Date: Wed, 25 Mar 1998 13:08:51 -0800
From: "Herendeen, Robert" <Robert.Herendeen@smi.siemens.com>
To: "'Old Tube Radios'" <boatanchors@theporch.com>
Subject: 1935 PHILCO BC/SW
Message-ID: <505CAE82FD6FF01193AC0000F805B77D593BA8@CALLISTO>

DOES ANYONE OUT THERE KNOW WHERE I CAN GET A SCHEMATIC FOR A CONSUMER
TYPE, 1935/36 PHILCO MODEL 37-640 RADIO? I VOLUNTEERED TO "FIX" IT.

THANKS,
BOB/W6JZR

Date: Wed, 25 Mar 1998 15:25:41 -0600
From: Lenox Carruth <carruth@swbell.net>
To: RWDowns_WA5CAB@compuserve.com,
 "Boat Anchors List (to submit a listing)" <boatanchors@sco.theporch.com>
Subject: Re: Broken 0A2 BA1983
Message-ID: <35197655.6C4C45FC@swbell.net>

Of course, if you let the Feds know about it, they will erect a

twelve-foot chain link fence around your house with razor wire on top, post a guard, make a 30-day survey of the radiation levels, scrape all of the paint off your walls, remove all floor coverings, tag it all as low-level radioactive waste, ship it to an approved holding facility (they have no long-range disposal sites), and burn what remains of your house and bury the ashes. A permanent guard will be posted at the fence and no one will be allowed to enter until the year 11998.

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net
Dallas, Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Date: Wed, 25 Mar 1998 15:38:24 CST
From: jackiv@juno.com (John M Iverson)
To: owensc@nebeng.otis.com
Cc: boatanchors@theporch.com
Subject: Re: BOATANCHORS digest 1984
Message-ID: <19980325.154824.3830.3.jackiv@juno.com>

Bill. you re from Chicago, so why not use a tommy gun?? (old jack)
are you moved yet ??
Jack Iverson K0EWU jackiv@juno.com

On Wed, 25 Mar 1998 15:07:00 -0500 "Owens, Clarence"
<owensc@nebeng.otis.com> writes:
>I know why, from personal experience.
>
>Clare Owens N2RJB
>Owensc@nebeng.otis.com
> ----------
>From: William Donzelli
>To: Old Tube Radios
>Subject: Re: BOATANCHORS digest 1984
>Date: Wednesday, March 25, 1998 1:52PM

>
>> > You might try Larry Drago in Cheshire, Ct. He advertises in ARC.
>
>An image of an ugly bird that feeds off the dying just popped into my
>mind. I do not know why.
>
>William Donzelli
>william@ans.net
>

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Date: Wed, 25 Mar 1998 16:05:40 -0600
From: Lenox Carruth <carruth@swbell.net>
To: Robert.Herendeen@smi.siemens.com
Cc: Old Tube Radios <boatanchors@theporch.com>,
 "Muncey, Terry WB5OAS" <tsm@electrosys.com>
Subject: Re: 1935 PHILCO BC/SW
Message-ID: <35197FB4.C7F33483@swbell.net>

Try Terry Muncey at tsm@electrosys.com. He can send you a photocopy of
almost any Sam's for a nominal fee.

He also has every R-390 manual on a CD for about the cost of
photocopying one manual.

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net
Dallas, Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Date: Wed, 25 Mar 1998 17:24:24 -0500
From: "Manuel W4SSB" <mmaseda@gte.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: W4SSB Dayton Space
Message-ID: <002201bd583c$c7264ce0$d6eaffd0@default>

Got my space number today. It will be 3821.

Manuel W4SSB

Date: Wed, 25 Mar 1998 16:39:48 +0000
From: w5sum@ms1.nwla.com
To: boatanchors@theporch.com
Cc: drakelist@baltimoremd.com
Subject: 2NT's are tuff....
Message-ID: <199803252236.QAA24718@ms1.nwla.com>

Boy am I a lucky fella... had the 2nt/2c set fired up today and just sitting there while I worked in the shop. At some point, I turned off the 2C but left the 2NT on. And.. at some point, I bumped my J-38 and keyed the little transmitter up....

I found it 40 minutes later (an estimate, could have been longer.) It was hotter than a 2 dollar pistol and stank to high heaven but was still putting out full power into my dummy load...

I turned it off, let it cool, and then disassembled it and checked her out. Nothing fried... I can't believe it. The 6HF5 still checks good though it has a little corona burned into it... Rig still puts out full power and sounds great...

they don't build them like that; anymore!!!

thanks Drake

Ronnie
W5SUM - Ronnie Hull
PO Box 8941
Shreveport, La 71148

Date: Wed, 25 Mar 1998 18:21:57 -0500 (EST)
From: William Donzelli <william@ans.net>
To: John M Iverson <jackiv@juno.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 1984
Message-ID: <Pine.GSO.3.96.980325180750.6913H-100000@titan.purch.ans.net>

> Bill. you re from Chicago, so why not use a tommy gun??

I will probably run into him, now that I am out his way.

> are you moved yet ??

The move went fairly well. I cleaned out the storage locker in Mt. Prospect, so that $120 (!) per month is now gone. In doing so, I managed to fill most of a 24 foot Ryder truck. Getting the big stuff in was easy, as we rented a forklift. The big things at the parent's house had to be taken apart to lighten the loading proccess. Unloading was a real chore, as the truck I had was dock height, and my house has no dock! The big beasts like the TBL-7 and TBK-18 had to be tipped on their backs and slid down the truck's ramp, using a refridgerator dolly as a cart. It actually proved to be quite easy, and did not damage the equipment one bit (mind you, on some of the pieces, you would not notice! They are to get a lot of help.). The biggest, the TBA-11, comes apart quite nicely, so it really proved to be no big deal.

Anyway, all of the goodies are now in the garage, awaiting their final places in my new radio shack, a nice big 35' x 35' building seperate from the house (with 100A service as well - the previous owner was an artist with rather big metalworking tools). I do need to pour a concrete floor first - something I need to save up for. Once that happens, I can start to play again (it has been too long! An apartment in Manhattan was no place for radios!).

If you are ever in New York, please drop by for some good radio talk, tube swapping, and a beverage of your choice. If I do not see you then, well, I will try to make Radiofest this August.

William Donzelli
william@ans.net

Date: Wed, 25 Mar 1998 17:57:45 -0600
From: Phil Mills <pmills@a.crl.com>

To: boatanchors@sco.theporch.com
Subject: R-388 bfo problem solved
Message-ID: <3.0.1.32.19980325175745.0068d8b0@a.crl.com>

Thanks to all who replied to my R-388 bfo problem. Bobbi Barmore took me through some analysis and testing and we located the problem....it was a loose nut on the soldering iron! In restoring the circuit from the 6BE6 mod back to the 6BA6 original bfo circuit, I had reversed the cathode and grid connections to the bfo tuned circuit can. And, to compound the embarassment, I had removed the can not once but twice to make sure I had it wired correctly and still got it wrong! Golly, now I'll be afraid to harass Al Fritsche anymore.

thanks and 73,
Phil

Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

Date: Wed, 25 Mar 1998 16:00:53 -0800 (PST)
From: "N. West" <ninaw@u.washington.edu>
To: boatanchors@theporch.com
Subject: GR Model LX Wooden cabinet Refinishing and other Questions
Message-ID: <Pine.A41.3.96a.980325154328.61228B-100000@dante25.u.washington.edu>

Until now I have ignored any information concerning wooden cabinet refinishing because my radios were either wrinkle, hammertone, or splatter finished. Now I have a General Radio Model LX UHF Signal Generator, USN contract dated 1942, with a varnished wooden cabinet. (The civilian nomenclature is Type 804-A or later). Electrically, I have it working on some bands, but I am wondering on the best approach to refinishing the scratched cabinet. Has anyone refinished a GR cabinet of this vintage or can anyone point me towards a good reference on refinishing?

Also, does anyone have a manual, schematic, or any other information on this unit? It tunes from 7.5 to 330 mc/s, what would the USN have used it for back in WWII?

Thanks in advance
Fred Powell
c/o
ninaw@u.washington.edu

Date: Thu, 26 Mar 1998 11:00:22 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
To: dma@islandnet.com
Cc: boatanchors@sco.theporch.com
Subject: Re: ID This Crystal
Message-ID: <35199A96.6893@vifp.monash.edu.au>

Hi Jan and the gang,

> The box says GEC Quartz Crystal Unit For Stable Frequency Generation, and
> was made in England. There's a date stamp of Feb 1969.
>
> Inside is a glass cylinder about 3" long by 0.5" diameter. Two wire leads
> come out of one end. Inside is a lovely slice of plated quartz (could it be
> gold) suspended between two long struts supported by mica spacers, and
> connected by soldered pigtails. The quartz is about 1.5" long, 3/8 wide by
> 1/8 thick. The glass tube is marked Marconi P5.

I've got a four of these I found at a hamfest a few years ago. They looked so beautiful I couldn't resist them. Mine all look like tubes, some octal, some very long 7 pin (like a stretched miniature tube). They are all English or Australian in origin. They have all got 4 wires coming out connected to 4 areas of plating, 2 on each side. The quartz is in the shape of a bar about 3 inches long and 1/4 X 1/8" in section. The frequencies are all in the audio range, 6.3 and 9.4 KHz are 2 that come to mind.

With the help of a listmember a couple of years ago I got them oscillating. Amazing! They are the only crystals I have ever seen which you can actually *hear* while they are going. When you de-energize the circuit they go on "ringing" for 5 seconds or so just as you would expect a high-Q resonator like a crystal to do.

I don't know what they came from (? telephone equipment) or what to do with them but they are very cool!

73 de Morris VK3DOC

Date: Wed, 25 Mar 1998 19:28:13 EST
From: K8MFO <K8MFO@aol.com>
To: boatanchors@theporch.com
Cc: baswaplist@foothill.net
Subject: BAs for Sale or Trade for Bugs
Message-ID: <54e18d8a.3519a11f@aol.com>

1. I have a good number of Clare HG-1002 mercury wetted relays. These were used in the Hallicrafters HA-1 "TO" keyer, and the Auto-Mate K5/50 keyer. There are too many to test. Price - $15 shipped Priority Mail in CONUS. You get a second relay thrown in just to make sure you get one good one. Most likely you will get 2 good ones.

2. Have a number of microphones for sale. Kenwood MC-50, Kenwood MC-60, Shure 545L dynamic, and Rystl DY22 dynamic 50K Ohm dynamic in box. Also have an Electro Voice 423A microphone stand. Am most interested in making trades for interesting semi-automatic keys (bugs) but will consider cash for the microphones.

3. Here is a classic. Hallicrafters PS-150-12, DC power supply for the SR-150 and SR-160 transceivers. A note in the Hallicrafters box says "never used". Here is a chance to run your good old Hallicrafters transceivers in the vehicle. Am most interested, again, in a trade for an interesting bug.

Am not sure that I really want to dispose of the following, and would definitely require interesting bug trades.... no cash interest for these items.

Collins 270G speaker (matches 75A-4). The fabric is not original, but could easily be replaced. Also needs the 2 plastic trim pieces on the front. The cabinet is in good condition.

ANNND, no way am I interested in cash for

Collins 500 cycle and 6 KC filters for the 75A-4. Would require a most interesting trade proposal for me to dispose of these.

and lastly, I have an RCA "ribbon microphone". Only interesting bug proposals on this.

Please reply directly k8mfo@aol.com

73

Don K8MFO

Date: Wed, 25 Mar 1998 18:29:55 -0600 (CST)
From: Bill Hawkins <bill@iaxs.net>
To: boatanchors@theporch.com, ninaw@u.washington.edu

Subject: Re: GR Model LX Wooden cabinet Refinishing and other Questions
Message-ID: <199803260029.SAA11670@citrus.iaxs.net>

Fred,
If the cabinet doesn't really offend you, just clean it. They don't
make General Radio wooden boxes any more. If it's bad, strip it and
start over as with any piece of furniture.

Regards,
Bill Hawkins

Date: Wed, 25 Mar 1998 20:01:47 -0500 (EST)
From: MODSTEPH@ACS.EKU.EDU
To: boatanchors@theporch.com
Subject: Dayton spaces - N5AIT
Message-ID: <01IV3G24A7C2005XFD@ACS.EKU.EDU>

"Up against the wall..."

 Or close: spaces 4224 and 4225: in the main fleamarket entrance,
immediately left.... and I guess I can deal across the fence, since
I have been assigned perimeter guard position.. ;)

 Should have a few BA folks there in and out during at least t
Friday and Saturday - Marty AA4RM, e.g. - and of course me! Now
to continue the winnowing process on the BA collection... and will
have some added from couple others who are sharing.

 Y'all come!

 73, Al N5AIT
 modsteph@acs.eku.edu

Date: Wed, 25 Mar 1998 17:10:53 -0800
From: "larry" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: G-66 Manual Obtainted
Message-ID: <199803260115.RAA14686@shell.wco.com>

thanks to many who offered the G-66B shematic and to George KE4RN who has
already put it in the mail

73 LarryW6WUH

Date: Wed, 25 Mar 1998 20:23:30 -0500 (EST)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 1984
Message-ID: <Pine.GSO.3.96.980325202054.14514B-100000@titan.purch.ans.net>

> I will probably run into him, now that I am out his way.

[story of trip snipped]

OK, it had to happen some time.

That message was really supposed to go to Jack, but I misaddressed it. Oh well - no secrets were let out!

And I suppose if anyone else wants to stop by Carmel, NY for good radio talk, tube swapping, and the beverage of your choice, let me know!

William Donzelli
william@ans.net

Date: Wed, 25 Mar 1998 19:46:01 -0600 (CST)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: The Tube Surprise!
Message-ID: <19983251945234232 81@>

I'd have never guessed it, but LOTS of people want the old
high-voltage recifier and damper diode tubes I asked about!
I've gotten over 25 requests to either buy or trade.
No way I can handle all that fairly.

I guess I better get off my lazy behind and just
sort and list the things.
One more big chore in a world full of big chores.

Let you all know when it's done.
73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Date: Wed, 25 Mar 1998 22:09:02 EST
From: w4bld@juno.com (Robert B. Kerby)
To: boatanchors@theporch.com
Subject: WTB Black Widow 2 & 6 M Rigs
Message-ID: <19980325.221314.8983.0.W4BLD@juno.com>

Ladies and Gentlemen - I am looking to purchase both a 2 meter and a 6 meter Black Widow Transmitter manufactured in the late 50's by Rogers. If you have either of these units or know someone who does, please contact me. Many Thanks, Bob
- -
Robert B. Kerby - w4bld@juno.com
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980 (540) 942-4356
Collect: Morrow, Gonset, Elmac

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 25 Mar 1998 22:32:40 -0500
From: Al Klase <skywaves@bw.webex.net>
To: bill@iaxs.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: GR Model LX Wooden cabinet Refinishing and other Questions
Message-ID: <3519CC58.CA9AD2A7@bw.webex.net>

Bill Hawkins wrote:
>
> Fred,
> If the cabinet doesn't really offend you, just clean it. They don't
> make General Radio wooden boxes any more. If it's bad, strip it and
> start over as with any piece of furniture.
>
AMEN! The things you have going for you are that the box is made out of REAL wood, probably better than most of the furniture we own, and it has a straight-forward finish on it, unlike cheap entertainment radios.

73, Al

--
Al Klase - N3FRQ

skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: http://www.webex.net/~skywaves/home.htm

Date: Wed, 25 Mar 1998 19:53:22 -0800
From: "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
To: boatanchors@theporch.com
Subject: Inquiry
Message-ID: <3519D131.1C013E0A@concentric.net>

Greetings all: Does anyone recall the URL of the gentleman that has posted a large
number of Military sets, diagrams and ect. I seen to have lost it. Many thanks in advance
and 73's
Lloyd

Date: Wed, 25 Mar 1998 20:43:27 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: ninaw@u.washington.edu
Cc: boatanchors@theporch.com
Subject: Re: GR Model LX Wooden cabinet Refinishing and other Questions
Message-ID: <3.0.1.32.19980325204327.006f72ec@marlin.nosc.mil>

At 04:00 PM 3/25/98 -0800, you wrote:
>Until now I have ignored any information concerning wooden cabinet
>refinishing because my radios were either wrinkle, hammertone, or splatter
>finished. Now I have a General Radio Model LX UHF Signal Generator, USN
>contract dated 1942, with a varnished wooden cabinet.

The GR equipment I've experienced had what I took to be a lacquer finish rather than varnish. It came up again when redoing a Navy OE-12 Receiver Analyzer, test set, in an oak box. What seemed to be the best way to go was a total strip/sand, shoot with sanding sealer, rub out, then shoot the finish lacquer then final rub out. That test set is contemporary to yours built by Weston and used with RAL/RAK etc. GR...have a collection of connector adapters someplace...

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com

Date: Wed, 25 Mar 1998 23:43:36 -0600 (CST)
From: Don Reaves <dr@cei.net>
To: "BoatAnchor's List" <boatanchors@sco.theporch.com>
Subject: T-4/FRC Mystery TX Solved
Message-ID: <Pine.LNX.3.91.980325233224.8306C-100000@kc5jh.reaves.net>

Several folks responded to my question about the T-4/FRC. Conard, WS4S, has one and here are his comments (with his permission):

------------------------ Forwarded messages ----------------------------
Hi Don,
I have one of the beasties in my shack. It is a shore-based transmitter from the WW2 period. Itis really just a single deck from a larger setup that used up to five such units powered by a single enormous power supply and modulator. The manual I have shows two LF units and three HF units in an installation.
It is intended for remote operation via landline, but you can key it locally from a test jack on the front panel. It is also intended to be run under xtal control, but there is a VFO built in for emergency use. The L.O. isn't keyed, so you gotta modify it to some extent to hear anything on your frequency. Yours should have large side panels and a front door. The innards slide out of the case on rails. The beastie will want 220 VAC power and that supplies everything except the final B+ which came from the main power supply/modulator.
I have used mine on 80M. I can get 500 watts output with no real strain. I did have to rebuild the output coil as the old insulation wasn't an insulator in any serious manner any more and the coil caught fire. It sounds worse that it really was.
I modified the internal VFO to shift frequency on keydown so I can run CW, but I get horrible key clicks. I found a qrp cw rig on 80M does a fine job driving the transmitter, so I use that now. I haven't had a chance to try the beastie on 160, but I think it will go there with no problem.
My T4 was a freebie given to me by an ex-MARS operator who ran it on rtty for years. It is a nice transmitter and will give you years of fun. It really lights up with those 810's glowing.
I am interested in the manufacturer and serial number of that T4 also. I don't think there are too many of them out there.
73 de Conard, WS4S
Cookeville, TN

I replied that the one I saw was built by Aircraft Accessories in Kansas City, and that there was no PS or modulator.

Hi Don,
I don't have the PS/modulator either it is a monster! The guy I got the T4 from had the whole system including the remote keyers and such, but all he had left was the T4. Beggars can't be too choosy. I am running mine with a 1500 volt plate supply I kludged into a half rack.
Mine was built by Aircraft Accessories in KC also. I did manage to get the coil set for mine, but most of them will need to be rebuilt as the old plastic is coming apart and has a tendancy to catch fire when you least expect it!
Feel free to pass along my short comments thanks for asking.
I will attach the schematic to the T4 from my manual copy.
Let me know if you decide to bring the T4 home. Maybe we can clean out 75 meters with them.

Thanks to Brian, Ray, Robert, Larry, and others who offered advice and encourgement. I plan to make an offer for the beast. It is part of an all or none estate, most of which I don't want. But the T-4/FRC seems like a worthy addition to the stable here.

Mystery solved; thanks guys.

Don WA5BBS

Date: Thu, 26 Mar 1998 08:05:17 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Phil Mills <pmills@a.crl.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: R-388 bfo problem solved
Message-ID: <Pine.SUN.3.96.980326075401.27137B-100000@indy2>

Hi, Gang!

Phil's too kind--I leapt to the usual conclusion for "plate current improper, bypass okay" and pointed to the grid circuit; and tossed in the standard, "and check all connections for the umpteenth time." I suspected either an NG grid condenser/resistor or tube-pin miswiring (let's just say I have been burned that way on mini tubes more than once).

An awful lot of the time, these "should work but won't" troubles can be solved just by getting away from the gear for a day or two, then going back and having another look--from another angle, if at all possible!

Everybody's done been bit by this kind of mistake; when we build or fix gear, we make up a sort of little mental movie of it and working alone,

it's very possible to go back over the same error many times with that "movie" running and not find the problem. The trick is to "change the shot" and look at it fresh--that way, you see the reality and not your expectations. (And hoo-boy, is *this* a lesson I've learned from experience--and learned over and over and....)

 73,
 --Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
 FISTS #3388 * ARRL * RSGB * WIA
 Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Date: Thu, 26 Mar 1998 07:24:00 -0800
From: "Arden Allen" <gumbear@pacbell.net>
To: "Old Tube Radios" <boatanchors@theporch.com>, <rbarmore@indy.net>
Subject: Re: R-388 bfo problem solved
Message-ID: <199803261523.HAA01345@mail-gw2.pacbell.net>

Hi Fellow Foiblers;

Bobbi sez:

> Everybody's done been bit by this kind of mistake; when we build or fix
> gear, we make up a sort of little mental movie of it and working alone,
> it's very possible to go back over the same error many times with that
> "movie" running and not find the problem.

Been there, done that. I've lost count of the number of times I've "corrected" a miswire just to discover I repeated the mistake. I guess Bobbi would call this "movie re-runs". I relate this mental process to driving someplace and finding myself on course to another place that I used to go to regularly but not anymore; like where I used to go to work. You daydream and the process of navigation reverts to the old "backup copy" (with apologies for the computer whimsy). In the case of the miswire, the backup copy is your recent memory of how things looked as you disassembled things, you unconsciously put things back the way you remember them. The only technique I've discovered that reliably avoids this kind of defugalty is to make a sketch (a map) of how things look before I originally disassemble the parts. I always make a sketch when working on IF cans, it's too easy to cause damage the first time around, reworking a repair job is to be avoided. Keep a sketch pad and several pencils handy.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Thu, 26 Mar 1998 07:51:13 -0800 (PST)
From: David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>
To: boatanchors@theporch.com
Subject: Need Heath GR-54 Schematic
Message-ID: <199803261551.HAA10820@rubens.artisan.calpoly.edu>

Hello All,

I found a Heathkit GR-54 in very nice shape, it works great on all bands, but the S-meter is deader than a doornail. The commercial vendors sell a manual, but I really don't need 30 pages of assembly instructions, just a photocopy of the schematic and maybe test voltage chart should work. Happy to pay copy and postage costs. Thanks.

73
Dave Ragsdale
KF6BOM

David Ragsdale, R.E.H.S., Environmental Health and Safety Manager
Risk Management, California Polytechnic State University, San Luis Obispo
dragsdal@calpoly.edu ******* doragsda@oboe.calpoly.edu

Date: Thu, 26 Mar 1998 09:12:00 -0800
From: "Ken Warren" <KenwK7RPX@postoffice.worldnet.att.net>
To: "Old Tube Radios" <boatanchors@theporch.com>, <nx7u@primenet.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: PL-172 based amps
Message-ID: <19980326171500.AAA14303@KenwK7rpx.worldnet.att.net>

At least one military transmitter that was based on the PL-172 is the T-946/GRC-129. This is an upgraded T-368 modified for SSB. They pulled out the old rf deck with the 4-400 and put in the new one with the PL-172. Also scraped was the am modulator in the middle deck. The 2 big drawbacks to this transmitter are that it runs only on 115vac and no alc from the final. They relied on an audio limiter in the speach amp to keep from overdriving the PA.

Ken Warren K7RPX

Ken_Warren@beavton.k12.or.us
KenwK7RPX@worldnet.att.net

>

Date: Thu, 26 Mar 1998 13:02:52 -0500
From: BEN NOCK <G4BXD@compuserve.com>
To: Multiple recipients of l <boatanchors@sco.theporch.com>
Subject: Japanese sets, continued....
Message-ID: <199803261303_MC2-3808-C65A@compuserve.com>

Another bit of good luck. Further to the 94 Mk 3A, the Chi-Inch HRO and t=
he
94-6, I have just acquired a Mk 41 Type D receiver. Unfortunatly, this on=
e
is in a bit of a state, missing knobs and valves. The knobs should be abl=
e
to be found but the valves, maybe not. I think I will try and use
alternatives, if I recall, someone in the group recently mentioned they h=
ad
done a similar thing, I will have to check back.

The set came with its battery tray so at least I have the option of putti=
ng
a mains psu in there. If anyone else has had experience with one of these=

receivers maybe they would get in touch.

Ben G4BXD

Date: Thu, 26 Mar 1998 13:02:41 -0500
From: BEN NOCK <G4BXD@compuserve.com>
To: Multiple recipients of l <boatanchors@sco.theporch.com>
Subject: H/B FS.
Message-ID: <199803261303_MC2-3808-C64B@compuserve.com>

I have the following spare:

C13 installation in FFR B vehicls, 12pages,....... 1.50
User/HB, D11/R230, WO12791, part I, 68p,....... 5.00
User/HB, D11, WO12791, part III, 82p,................. 9.00
Illustrated parts list R230, WO13087, 123p,....... 10.00
Full Handbook, D11, .. 10.=
00
Full Handbook, R234,.. 10.0=
0
Precis/Notes, C11/R210, 95p,............................. 10.00

price in pounds, all post inclusive. (UK)

Ben. G4BXD

Date: Wed, 25 Mar 1998 13:11:59 -0600
From: Lynn Fisk <kc5kfv@onr.com>
To: boatanchors@theporch.com
Subject: WRL Linear and CE10A
Message-ID: <199803261810.MAA04070@sierra.onr.com>

During the last few weeks, I have had quite a bit of fun operating the WRL Galaxy 300, with its matching power supply. These are the big gold rigs with black trim, that WRL built before the Galaxy III and Galaxy V of later years.

The ads in the old magazines include a matching linear called the ATLAS 2KW. However, I have never seen one of these, and wonder if they ever really existed. Has anyone seen or heard of one of these?

Also, if there is a Central Electronics 10A around, I might be interested (by private e-mail, thanks).

73, K5LYN (Lynn)
kc5kfv@onr.com

Date: Thu, 26 Mar 1998 13:41:38 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@sco.theporch.com
Subject: 6146's anyone?
Message-ID: <3.0.5.32.19980326134138.0081b530@pop.pipeline.com>

Afternoon folks...
A number of 6146B's and a lone 6146A wandered in today as part of a much larger lot of tubes...
These are all USA made, GE, SLY, Phillips, etc. pulls from military surplus.
I tested each of them with a B&K 707 and all test very good.

Since I have no transmitters, and thus little need for transmitter tubes, I though I'd give you gents a shot at them before I ship them off to the e-bay wolfs...

I have 13 type "B" and the one "A" available.
They will cost you say, $5 each for the "B's" and $4 for the "A."
+ shipping.
If $5 seems high, make an offer! :-)

-Larry Ware
lrware@pipeline.com
Orlando, Florida

Date: Thu, 26 Mar 1998 13:25:40 -0500 (EST)
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
To: boatanchors@theporch.com
Subject: HALLI SX-115 ON AM
Message-ID: <9803261325.aa22245@pcusa01.ecunet.org>

AM reception with the Halli SX-115 is not optimum.

For starters, the AM detector's output is inexplicably run thru the product detector (6BY6) tube which then operates as an (imperfect) amplifier. It's just not needed, the SX-101A sadly does it too. Result is audible distortion. SX-101 & earlier (-100, -96, S-76) don't do it this way & sound better.

Have had them all on the bench here at same time for direct comparison.

AF response is tailored for SSB & CW use, low cut is too severe for AM, can't switch it out as you can on -101, -100 & -96. The Function switch on the -115 & -101A is silly for AM use, you get choice of USB or LSB for either the product or envelope detector.

As the 50 kHz IF (where most all of the selectivity is) is offset tuned to 50.75 kHz, a center-tuned AM signal (carrier at 50.00 kHz) will have its carrier in a about a 6-10 dB hole caused by the selectivity curve so you can't just change sidebands on a center-tuned AM signal by switching the function switch. I.e. the IF is in the wrong place for the AM carrier.

You can retune any Hallis with the 50 kHz IF to put them on 50.00 kHz with no problem.

BTW, the selectivity of radios from the S-76 to the SX-115 (& -117 & -122) is the same, same IF ct. & even same IF can part nos. It's about as good as it gets for LC filters, the Drake R-4* are a bit better. But it's nowhere close to mechanical filters in terms of shape factor. All you have to do is look at the selectivity curves to verify this.

A better choice for AM is the -101 (or genl coverage -100) plus you get back 160 m. The function switch gives 1) Normal (no hi or lo cut), 2) Treble cut (no lo cut) & 3) USB or 4) LSB, both 3 & 4 have hi & lo cut, all from the envelope detector. Note that 1, 2 & 3 are all in the USB mode.

Acutally the sideband selection system is not needed as the radio has a tunable BFO with enuf range to effect sideband selection. (That's how the SX-122 does it).

 -John Sehring (written on Tue, Mar 24, 1998 at Custer, SD) UCC WB2EQG

End of BOATANCHORS Digest 1986
